WSA - BAYSIDE NIT

2012

1/13/12 MUNIS Meeting
No squate cash account possible Meeting with Marragansett Indian Tribe Next Step: apply for National Historical Site funding and research will tillow Will take several months EPA can Make eligibility determination or can send to Washington Above ground piping National Trust- for Astoric Preservation Tell will come up with alternatives - potomless cantalters? Monda Miantonomo research imbaby worman Streeting - Streeting - Streeting - Streeting 2/24-Natorocation 463-5043 Mike Street alan Levalue Todd Ravarelle Doug Havris Naney Brown Gra

Subject:

Bayside Sewer Archaeological meeting

Location:

Warwick Sewer Authority

Start:

Fri 3/2/2012 10:00 AM

End:

Fri 3/2/2012 11:00 AM

Recurrence:

(none)

Meeting Status:

Meeting organizer

Organizer:

Owens Lynn

Required Attendees:

Todd Ravenelle; stover.michael@epamail.epa.gov; Alan D. Leveillee; Burke Janine L;

Solitro Mathew J; dhnitpo@gmail.com; imbabywoman@yahoo.com;

charlotte.taylor@preservation.ri.gov

Optional Attendees:

pginaitt@gmail.com; pginaitt@lifespan.org

Continued discussions on sewer main installation and archaeological impacts.

Lynn F. Owens, on behalf of JANINE L. BURKE EXECUTIVE DIRECTOR WARWICK SEWER AUTHORITY 125 Arthur W. Devine Blvd. Warwick, RI 02886 (401) 468-4700

I City Engineering Bid STATUS ? 3/2/12 Meeting on Bay Side SHPO = Charlotte Taylor
Cohn to coron Ir Protocols for unenticipated findings Radio carbon dating? Mike Stower Efferis prepared to write fetter Hun, to nominate Mill Cover site James for Nathonal Historical Registry. 5HPO - Worred Wort boundies traditional cultural properties "need emergency assistance assistance by SHO Get Told's OSearch on directional drilling Mike KEPA: ? veggine on Vacuum servers

Wil cessoo / 35 area to bury grinder

but - fused force main

?" in sulation / Mounded Nancy: LOTS of ARCHEOLOGY REQUIRED

NEXT STEPS A. Low Pressure

B. Directional Drilling

C. Vacuum sewers = estimate Dorg: Consider UDRSE I How much morey??

pe-design

archaeology

Research W.W. Cyllection System/Utility Installation Cutting Elge University? D Grants Available ? 3/30 the jest hosting Charlotte

Subject:

Bayside sewers

Location:

WSA Conference Room

Start:

Fri 3/30/2012 10:00 AM

End:

Fri 3/30/2012 11:30 AM

Recurrence:

(none)

Meeting Status:

Meeting organizer

Organizer:

Owens Lynn

Required Attendees:

Todd Ravenelle; stover.michael@epamail.epa.gov; Alan D. Leveillee; Burke Janine L;

Solitro Mathew J; dhnitpo@gmail.com; imbabywoman@yahoo.com;

charlotte.taylor@preservation.ri.gov; ondkauohdt@gmail.com; dhnithpo@gmail.com

Continued discussions on sewer service in the Bayside area.

Lynn F. Owens, on behalf of JANINE L. BURKE EXECUTIVE DIRECTOR WARWICK SEWER AUTHORITY 125 Arthur W. Devine Blvd. Warwick, RI 02886 (401) 468-4700

Senator Bates will attending beg. Breakfast Meeting W/EPA, Novagansett Indianal

GRANTS AVAILABLE BAYS M specialed original plan price

In today's hollors

#5M solinated cost

solinate for low pressure

Including pumps

Working on the stimate of cost for BAYSIDE racum systems Still needs granty fine on Tidewater in CRA's opinion, # connections/project size too large FOR LOW PRESSURE SYSTEM On-Sife 2-part Egotic tank
Suche out Effluent to WWIF Svike/ EPR: Person Solids, lower Bat Concertration EPA to issue fetter that site is eligibility for Note I Historial Registry A let more worke Public Hearing, etc. 15 diageter would be larget (on Tidewater)

follow the water lines eye of water lines in this

EPA: Mantenence Regain Issues?

Ale pipe Teet deep

NEXT MEETING
April 39th @ 16 AM

days of Police coverage

WSA cost estimate of traffic control

Talk to Dan O'Rouske (ABOUT COST-SHARING)

SAS MAINS need systement too?

Could Strave on costs

Subject: Location: Meeting on Bayside Sewers WSA Conference Room

Start:

Fri 4/27/2012 10:00 AM Fri 4/27/2012 12:00 PM

End: Show Time As:

Tentative

Recurrence:

(none)

Meeting Status:

Not yet responded

Organizer:

Burke Janine L

Required Attendees:

Owens Lynn; stover.michael@epamail.epa.gov; Alan D. Leveillee; Burke Janine L; Solitro

Mathew J; dhnitpo@gmail.com; imbabywoman@yahoo.com;

charlotte.taylor@preservation.ri.gov; ondkauohdt@gmail.com; Todd Ravenelle

Sorry, I forgot to send out an appointment for the next meeting. Alan will most likely be unable to attend however he is working with Todd on a proposal to continue the archaeological study on Tidewater as discussed. I would suggest we focus on discussing that proposal at the next meeting so that we can present something to my Board of Directors at their May meeting.

4/27/12 Good book on Navraganett listory T.F. Crane Claus vs. Tribes Winifred Greene = protenter IN WRITE-UP to Down - PUBLIC MEETING - History - Plans Follow up uf series of workshop GRANT RI Council for The Humanities Jode/CRA to work up Contract for construction services for BID For Man Board mething

- engineering archaelogy

- construction SEPTEMBER 2012 PUBLIC MEETING Link for Venue Venue Venue Construction Starta end of September 1
40 days of work leptember - Possible
9 weeks for project museum Eft to permuend Nat'l Historical eligibetity Naver to research Shelter Harrow project
NEXT MEETING: 6/8/12 to 10 AM

Subject:

Bayside Sewers

Location:

WSA Conference Room

Start:

Fri 6/8/2012 10:00 AM Fri 6/8/2012 12:00 PM

End: Show Time As:

Tentative

Recurrence:

(none)

Meeting Status:

Not yet responded

Organizer:

Burke Janine L

Required Attendees:

Owens Lynn; stover.michael@epamail.epa.gov; Alan D. Leveillee; Burke Janine L; Solitro

Mathew J; dhnithpo@gmail.com; imbabywoman@yahoo.com;

charlotte.taylor@preservation.ri.gov; ondkauohdt@gmail.com; Todd Ravenelle

MEETING on BAYSIDE Strive for Systemles meeting 6/8/12 - Proposal for Board Charlotte No consultation > not approved to be No repatriation paid w/SRF funds Im Vine Dove Today, Regulatory pervices - data githering Mike Wat EPA can pay for Glan James - 10 and evaluate - field visits -montoring r Gran = imbabywoman @yaho con-NIT: Monitoring and Safeguarding presence protecting buriels from Sacratedge very special services skills, suches out the energy Doug-Carnot compare to other projects very high Indian pensitivity area NIT: Have not been gaid for previous services? Doug will be bringing this up to the Bound D WEB SITE information Summary July 26th Cost Starcing with the Water Dept.

National Grid

Financing - possibly never to be reimbursed

7/13/12 - Next meeting 10 AM

Meeting W/ Narragumsett Indian Tribe Aran-lung sum \$50K I suggested \$50K for NIT Scope of Project Sump 40 hour reserve - 2500 linear feet - 360 hours - 9 weeks 360 hours 4,500 linear feet 100 ft x / day x 360 hrs Bil Resolution to include OK for E.D. to sign subcontracts Win limits

7/13/12

Subject:

Bayside Sewers

Location:

WSA Conference Room

Start:

Thu 8/9/2012 10:00 AM Thu 8/9/2012 12:00 PM

End: Show Time As:

Tentative

Recurrence:

(none)

Meeting Status:

Not yet responded

Organizer:

Burke Janine L

Required Attendees:

NITHPO Harris; imbabywoman@yahoo.com; Stover.Michael@epamail.epa.gov;

charlotte.taylor@preservation.ri.gov; Todd Ravenelle; aleveillee@palinc.com; Owens

Lynn

DAY CHANGE TO ACCOMMODATE CHARLOTTE AND DOUG

Interesting discussions at last night's Board meeting. Tough decision for the Board. The item was tabled until next month. I have been assigned numerous follow up items and would like to our little group together again before the next Board meeting. Let me know if this date and time doesn't work for you. Thanks to all of you for your commitment and patience with this process.

Notes from 8/9/12 Meeting on Bayside Sewers (by J. Burke/WSA)

In attendance: Janine Burke (WSA), Todd Ravenelle (GRA), Alan Leveillee (PAL), Charlotte Taylor, Tim Ives, Rick Greenwood, Ted Sanderson (RIHPHC).

Excellent discussions about what needs to be factored into the decision (to sewer or not to sewer) and what information we need to provide the Board for them to make an informed decision. Lots of thinking outside the box!

Discussions fell into three basic categories:

- 1. Project Funding (especially funds for additional archaeological research which is Step #1)
- 2. Construction Technologies
- 3. Impacts/Adverse Effects of the Decision to Sewer or Not

We had a discussion about the value of using Ground-Penetrating Radar (GPR) to take Step #1. That was eliminated as an option because GPR alone is not acceptable to RIHPHC and would still require digging to confirm or provide additional details on what GPR identifies as a feature.

With respect to funding for the Tidewater Drive archaeological study, Janine was directed by the Board to find possible grants or other supplemental funding like cost-sharing with other utilities. She is Marisaworking on this and the group provided additional suggestions for possible funding. 378-0300 OR

290-8025

Todd suggested cutting the study proposal in half, only going halfway up Tidewater to get information to 784-7090 see if the Bayside I project area (Rivervue neighborhood) could be feasible. However, the Bayside I project is the one with the highest concentration of features and there would still be archaeological work required on the side streets. Alternatively, he suggested only the southern end of Tidewater for a possible re-design of that phase of the project to flow to the Warwick Neck pumping station instead of all the way down Tidewater. He noted that the Warwick Neck pump station would definitely have to be upgraded in that event. Janine pointed out that the Tidewater pumping station was designed to take flows from all three Bayside phases and her concern that Tidewater will continue to operate well below capacity.

Janine said she would reach out to her contacts at Senator Reed's and Senator Whitehouse's offices to explain the unique nature of this situation and the importance from a public health/water quality perspective to upgrade on-site systems or replace them with sewers.

With respect to the various construction technologies the group has been discussing (gravity, low pressure sewers, directional drilling, and vacuum sewers), Janine was going to prepare a chart or table to allow for side-by-side comparisons of the technologies based on cost, impacts on archaeological resources, flexibility during installation, and other considerations. A few Board members were also interested in information about the non-traditional sewer technologies, like vacuum systems. Janine will work with Todd to pull together information to educate the Board.

RIHPHC suggested that impacts or adverse effects of individual service connections needs to be included in the analysis. RIHPHC staff also suggested providing the Board information about the implications (on residents, water quality, etc.) if we do NOT build sewers. There was a discussion about the soil and groundwater conditions in the project area, which are not conducive to on-site systems. Janine said she could quickly locate some information about failure rates of systems in that area, pump out records, etc. Todd said he would assist her with trying to quantify the dimensions of disturbance for sewers versus on-site systems.

Janine is going to (try to) pull together all of the information by next Friday to distribute with the Board agenda and meeting packets.

8/20/12 - Left message for Marisa/World

Resolution O Technologies/options
Resolution O Technologies/options
Flexibility of option 8/9/12 Meeting on Bayside Alan Bill target Sonthern halt of Tidewater option had the Tidewater cut project cost in half

Tim weget Compile in Fo

White Crawin Directional Drilling feast inguit (do more research,

James Jed Sondard Vacuum system) — here estimates

James operaty and low pressure

Han: find house Esmessi walked away from

to use foundation for P.S. (preshoush distribed) GPR - le some reseach on this ? not acceptable to RIHP/SHHPO Individual service connections would have to be included in impacts—directional drill the services

WSA make the connections or provide archaeological Consultation services

would need protocol special for Bayside project Talk to Road White house about the unique mature of this situation and importance public health cobe grant? NEXT group meeting dates

Baysile 3 can tie in to Warnick Nick P.S. with upgrales current Plows to Tidewater P.S.? Transled asset? Some SA on Tide water Drive for how Later
Gos - Follow this French = best
Drainage nativial-steel or cast iron courses in Gain environment Possible to infose historic district foring or other overlyes requirements to principal future disturbages for paying for services MANDATE TIE-MS Highlight to Board

Re: implications if we don't build sewers

property owners

Aimensions (SF) of disturbances Sewers 15DS Failure Pater